

**CALIFORNIA CODE ADOPTION
Group #3, E, I-4
Meeting Notes**

October 26, 2005 – 9:00 a.m.

WILLDAN OFFICE, CITY OF INDUSTRY

<u>ATTENDEES:</u>	<u>STAKEHOLDER IN AUDIENCE</u>
Facilitators: Edward Vasquez Steve Widmayer, P.E. Committee or Group Members Present: Soheila Kalhor, P.E., M.S. Jon S. Traw, P.E., Kirk Miya Rick Thornberry Estelle Ford Efren Abrego Edward Aleman John J. Haberek Jordan James Jason Nuesca CDF/SFM Staff Present:	None

DOCUMENT HANDOUTS:

1. Contact List for IBC Workgroup #3
2. ICC NONEXCLUSIVE LICENSE AGREEMENT
3. Proposed Amendments List for the IBC Code
4. IBC Fire Safety Provisions – Potential Impact on Future California Fire Losses
5. Statutory Provisions Found in the CBC for the State Fire Marshal's Office

AGENDA:

1. Comparison of the 2001 CBC with the 2003 IBC / ICC code with intent to minimize the amendments in the 2006 IBC / ICC Code.
2. Focus will be on Group "E"

DISCUSSION/COMMENTS:

1. Eddie Vasquez started the meeting with a parable to the provisions noted in **CBC 101.3; 101.3.1; 101.9; 101.17.14 SFM & 101.6.3.3.1 [SFM] Public Schools**. Where in any specific case different sections of this code specify other requirements the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the **specific** requirement shall be applicable. **101.9** Order of precedence In the event of any difference between these building standards and the standard reference documents the text of these building standards shall govern. Where a specific provision varies from a general provision, the specific provision shall apply.

The comparable section is noted as **IBC / ICC 102.1**.

The reason for this parable is to elaborate on the history of the building regulations since UBC 1961 and perhaps as early as 1920 (Bldg. Code National Board of Underwriters NY) this has been established to accommodate level of precedence and applicability for regulations specific and general to all occupancies.

This noted initiated a discussion to the anomaly of **Assembly Group 'A'** not designated when accessory to Group E per **ICC 302.2.1 & 303.1** comparable **CBC section 303.1.1**.

This conflicts with **CBC 302.1** when a building houses more than one occupancy, each portion of the building shall conform to the requirements for the occupancy housed therein. Comparable section in **ICC 302.3.1** shouldn't the most restrictive apply? In **Public Schools** the State Architect assesses the use similar to business hours and will also address the potential uses after hour's school related or community associated functions.

Shouldn't these adhere to the most restrictive use for conformance to the specific requirements for the occupancy (ies) housed therein? Additional discussion with Workgroup # 1 and core group required.

2. **CBC 1007.2.1 – 1007.2.2** – Main exit and Side exits specific to 'A's provisions. Are derivatives from **CBC 303.3** Location on Property which serves two distinct issues – **access** and main exit discharge of which the specific provision of 20' in width public street and right-of-way unobstructed and maintained only as exit discharge to the public street. This is in conflict with **ICC 1024.2** which only requires 10' and **ICC 1023.6** access to a public way without reference to minimum dimension. This is recommended to be tabled for further discussion, due to compounding issues Location on Property no comparable reference in **ICC** (exception plan submittal **ICC 106.2**); exit discharge conflict as noted; and definitions in chapter 2 of **CBC & ICC**.
3. **CBC 305.3** review item #12 of 10/5/05 minutes. Additional review of **Title 19 Public Safety** and **Title 24 Part 1** administrative provisions for location on property. Recommend tabled for future discussion similar compounding issues as noted in item # 2 above. **CBC 305.3** includes reference to fire-resistive protection of exterior walls and openings, as determined by location on property, see **CBC 503 & Chapter 6**. Definition section **CBC 217** Public Way comparable **ICC 1002**. **CBC 503.1** location on property requires minimum one side with public way or yard. **CBC 226** Yard defined comparable to **ICC** chapter 2.

4. **CBC 305.2.3 Specific & Special** provisions in for k-2nd grade E-1 / E-2 & **SFM Daycare E-3**: Stipulates rooms for these groups shall not located above or below the first story. Exceptions 1. Basement or story with exterior exit doors at that level. #2 In buildings equipped with automatic sprinkler system throughout, (requirement Quandary) rooms may be located on the second story, provided there are at least two exterior exit doors for the exclusive use of such occupants. This **Specific & Special** provision incorporates two distinct issues rooms as defined in **CBC 1007.3.1 & 1007.3.3.1 Specific to rooms** (see item # 1 definition sections). The exterior exit doors wouldn't permit the specific provision of a corridor (**CBC 1007.3.3.1**) as the equivalent to the exterior exit doors. The more **restrictive provision** shall be applicable! Which reflects a maximum travel distance of 75' (CBC 1007.3.3.1) with exception to increase in two story with smoke detection to 90' and maximum 110' with sprinkler protection throughout. These **specific** provisions compounded would maximize the number of stories as noted to two and the travel distance to 110' with the features referenced.

Exception # 3 addresses E-3 (see definitions in item # 1 & **CBC 204, 205**) in bldgs. of Type I & II-FR, II-1HR & III-1HR subject to the limitations of 506 When: 3.1 adhered too. Children under the age of 7 or containing more than 12 children per story shall not be located above the 4th floor **and** which includes 3.2 - 3.6 provisions.

5. **ICC 308.5.2 I-4** occupancy – Exception doesn't go over 5 children. Needs to be more specific and more stringent. Recommend add model code language to ICC similar to **CBC 305.2.3**. I Occupancy workgroup may have issues. Should we bring K through 12 Amendment into ICC?

CBC 305.2.4 access & means of egress – reference to (**CBC 1007.3 specific provisions**) **Note: this is also referenced in CBC 305.2.2.1; 305.2.2.2**. See item # 6 of 10/5/05 minutes. Accessibility conditions should be incorporated into **ICC 305.2**. OR in Chapter 4 **Special Detailed requirements Based on Use & Occupancy**.

Do we agree with **ICC 305.2** provisions in the New **ICC 308.5.2**? And do we agree with that exception? If we do, it should be moved to **305.2.3**. It should be in the "I" Section of the code. **ICC 305.2.3** will impact **ICC 308.5.2**. **CBC 305.2.3** is more restrictive should be put in as an amendment to **ICC 308.5.2**.

There are two areas where we could implement this in **ICC 305.1**. We could put references in **ICC 1017.1** intro leading to other sections. It could be put in as New **ICC 1017.3**. It will as leading section still be in Provision **ICC 305** and should also be under the **day care provision**.

6. **I-4 – ICC 308.5**

Option for K2

Question: Do the same provisions apply to adults?

Put **CBC 305.2.3 Special Provisions** into **ICC 308.5.1**. Retain all the exceptions and add to the list of proposed amendments. Or add Provision of **CBC 305.2.3** as a

second paragraph in **ICC 308.5.2**. Use the same stipulations and current **CBC** exceptions.

OR **Special provision** should be placed after **ICC 305.1** as **ICC 305.2.3**. Two and one half years or less doesn't fit into the definition of day care category. This should have the same definitions from Item # 1 and **special provisions** as in **CBC** shall apply.

Question: Should **ICC 305.2** apply to kids older than two and a half? Coordination with SFM definitions required.

OR No – do nothing.

I-4 in **ICC** has more protection for those under two and a half. Day care does not define by age (see **SFM definitions**). New **ICC 305.2.3** as carried over language would cover day care. New **ICC 305.2.4** should be put into both sections. **ICC I-4** provides a higher level of protection for anyone from infants to older adults. Older than two and a half is an **E**.

Exception: Less than 100 can also be an **E**. **E** Occupancy also has special provisions. (Refer to Items # 1 & 4 thru 6)

Recommend Incorporate the exception language in **ICC 308.5.1** into **ICC 308.5.2**. Put "Exception 1 in **ICC 308.5.1** into **ICC 305.2** for people who are not able to egress on their own. (Refer to assistance definition from **SFM**)

I-4 – Recommend adding a restriction:

Incorporate the **ICC 308.5.1** exception language - "Should be capable of exiting the building without assistance" into **ICC 305.2**.? (Needs designation)

The second sentence in Exception of **ICC 308.5.2** puts you in Group '**E**'. Section **305.2.3**. of **CBC**, needs to be retained and placed in appropriate spots in '**I**' and '**E**' occupancies.

Concept of **ICC 308.5.2** is OK to go into an **E**. **I** is more stringent than **E** (construction, allowable area, egress, etc.).

Implement these special provisions under **ICC 305.2**. And amend the additions. Include exceptions into **ICC 308.5.2**.

A3 in **IBC 308.5.1** exception needs to be checked to see if it's incorrect or just a typo? Question: What code requirements are different in **A3** and **I-4**?

A3 offers a higher level of protection in current **CBC 303.2.2.2**

Question: What if the building is a senior care and not day care? Does that facility have to be an **I-4**? '**I**' workgroup should address issue.

7. **ICC 308.5.1 & 308.5.2** – Delete exception where occupants are capable of responding to an emergency w/o physical assistance. Reason "under two and a half are not capable" without assistance.

What reference for load factor **ICC** hasn't been updated, 35 square feet per person noted in **CBC Table 10-A** item # 22. '**A-3**' is more restrictive per **item # 3 – 7sq. ft. or # 4 – 15 sq. ft.**

8. **CBC 1007.3.7** Exits serving auditoriums in Group 'E' may be considered accessory see item # 1 commentary. There is no reference to Multipurpose, Gymnasiums & Performing Arts or their after hour school hour use. It also has no reference to the possible joint community use which conflicts with most **restrictive & specific provisions**. Table for further discussion with Work Group #1 Assemblies.
9. **CBC 1007.3.8** see companion reference items # 9 – 11 in 10/5/05 minutes. (**CBC 305.2.4 & 304.2.2.1 'B'** occupancy issue)

Questions: Do we want to address the square footage and number of exits? What is the new section proposed by the SFM? Where should the companion updates be placed address to Core Group? **ICC compatible Table 302.1.1** Recommend omit the **or** in the separation column to read **and**. Footnote 'a' would imply not subject to **ICC 414 & [F] Table 414.2.2** control room limits. Recommend add footnote 'd' to see **ICC table 302.1.1 footnote 'a'**.

10. **ICC 307.9** Exceptions see 10/5/06 minutes item # 9, infers compliance with **ICC 414**.
11. **CBC 305.2.4** – Companion Section – **ICC 414**

Classrooms could be a incidental per **ICC table 302.1.1** verses control area in **ICC table 414.2.2** limits not applicable.

Create a new entry for '**E**' in **ICC 1004.1.2 & Table companion Table 1005.1**
Require two exits when in excess of 200 sq. ft.
Include: Labs with 1-hour separation and 2 exits.
Add new section to Sprinkler Table.
Take language from **CBC 1007.3.8** and add to **ICC 305.1** or **ICC 307.9**.

Reference **ICC 414** and **CBC 1007.3.8** to the **ICC Table 414.2.2**.

Flag it. It will be on the list of Categories 1 through 4.

CBC 305.3 provisions - Recommend New **ICC 1023.6.1** to add language from **CBC 305.3** into language of **ICC 1022.6.1** as a new exception. Subsection just for **E**
Current codes say you must have 20 ft. (depending on Jurisdictions) **CBC** is **more restrictive**.

Still need to have the 20 ft access for ingress (Title 19 Public Safety & FD) and an exit for occupants.

ICC 1023.6 is an egress issue reference. For **E** Occupancy, recommend reflecting this section of provision after **ICC 305.2.3**. Call it new **ICC 305.3** or incorporate in chapter 4 Section to be assigned by the Core Group.

Short break for lunch on site provided by Willdan

Chapter 11 in ICC

12. **CBC 305.4** – Access and Means of Egress

Keep same verbiage in Paragraph 2 sub-chapter.

13. **CBC 305.2.2.1** – Specified in Chapter 10, 11A, and 11B. Add footnotes for **E**.

14. **Table ICC 1014.1** not include reference to **ICC 1014.6** Stage means of egress comparable to **CBC 305.2.3** last paragraph.

15. **CBC 305.2.3 includes** reference to attic space partition and draft stops see **CBC 708** – this includes stages and platforms as noted in item # 14 companion **CBC 405**. Comparable section **ICC 410.3** refers to construction only with proscenium opening of 50'. **CBC 405** addresses stages with less than 50' proscenium openings and separation provisions dependent of height of proscenium. More **restrictive** in **CBC**

16. **305.5** – Chapter 12

Not adopted by the CSFM. Architect to verify installation and accessibility

Eddie asked that we find a way to coordinate the Certificate of Construction Completion (**Title 24 Part 1**), which is different than the Certificate of Occupancy as noted in **CBC 109 (SFM Provision)**. We need to raise this point. Need to have the FD ask for a Certificate of Occupancy. State regulations cover the certification of completion for construction only.

17. **CBC 305.6** – Shafts and Exit enclosures. Exits shall be enclosed as specified in chapter 10 (**SFM 1004.3.4.3**) comparable **ICC 1019.1** This is another **Specific** more **Restrictive** provision requiring exits to be enclosed which includes Elevator shafts, vent shafts, & other vertical openings. With companion reference to **CBC 711**, take head that the general provisions in **CBC 711** do not supersede these **specific** provisions. Reference should also be made to Item # 6 in the 10/5/05 minutes which reinforces these enclosure provisions.

Elevator shaft should be in 1 hr enclosure because of hydraulic fluid (Class III-B) problem with elevators. It has to be 1 hr rated without regard to the quantity of fluid, see companion reference in **CBC 305.2.4 & ICC 307.9**.

18. All occupancies fall under the CSFM regulations. Enclosure requirements for exits: **ICC 702.1 & 707.1** definitions comparable to **CBC 305.6 specific** rule. **ICC 707.2** exception # 2 refers to escalator or stairway which is not a portion of means of egress – this general rule less restrictive to the specific shaft provision and doesn't include it in the exception. **IBC 707.2** exception # 7, 7.1 – states 2 hrs when connecting 4 stories or more or 1-1/2 hrs for 2 stories exception 7.2 not a part of required means of egress. **Flag this!**

19. **CBC 305.7** when required by companion section **CBC 904.2.1** or other provisions of this code (quandary see CBC 305.2.3 exception # 2) & Chapter 9 - comparable **ICC [F] 903.2.2** – Automatic Sprinkler System

Language in **CBC** is much clearer than **ICC**.

Existing buildings – retrofit, same rule as under **CBC** – the whole building has to be sprinklered.

ICC says that only the **E** portion has to be sprinklered. L.A. County does not accept partially sprinklered buildings. A warehouse would be an exception. Chapter 5 section 504.6.1 **[SFM]** and **CBC 904.2.1** allows a 2 hr wall. Most restrictive shall prevail!

CBC 504.6.1 – A 4 hr wall would be acceptable. See additional restrictive H&S provisions in exception Maybe we should adopt the same language.

20. **ICC 903.2.5** – Group **I**

An automatic sprinkler system shall be provided throughout the buildings with a Group ‘I’ fire area.

21. **ICC 903.2.2** – Group **E**

Buildings exceeding 20,000 sq ft and containing Group E occupancy. Every building needs to be sprinklered throughout whether or not a 4 hr wall is used. Fire area is an occupancy separation.

The language in **I** works in **CBC**, carry it over to **ICC**. Exception: Any building less than 20,000 sq ft. Rick Thornberry to come up with correct verbiage. Every portion below the level of discharge has to be sprinklered.

22. **ICC 904.3** – Not on table.

Rick has also offered to cover unlimited area buildings, exterior wall rating and smoke dampers.

24. **CBC 305.8** another Special Hazard provision for chimneys & heating apparatus companion to refers to chapter 31 & Mechanical code. Additionally motion picture machine rooms refers to chapter 4 – **ICC 1014.5** comparable to first portion additionally **ICC 409** comparable to second portion. There is additional provision to Class I,II or III-A liquids shall not be stored, placed or used in ‘E’ except in Laboratories (see 305.2.4) This is comparable to **ICC 307.9**.

25. **CBC 305.9.3** Fire Alarm Systems comparable to **ICC 907.2.3** is in agreement with Exception 2.

All day cares are **I-4 ICC 907.2.6** This provision is more restrictive with requirement of automatic fire detection system. Recommend incorporate these provisions for “E” occupancies. Typical after school program & head start for children in one room – would be corrected by this provision of manual & automatic fire detection alarm system. In compliance with **[SFM] 305.10.1 & 305.10.2**.

Rick Thornberry provided copies of the comment form for the City of Phoenix for all.

ASSIGNMENT

Sign ICC Agreement and fax for password. (See latest SFM E-MAIL for current ICC agreement available on SFM website)

Rick Thornberry will further address items # 21 & 22

Meeting adjourned at 4 p.m.

Next Meeting date to be determined will be phone conference.

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